

Converting Colors

XYZ(19.3167, 16.8625, 15.0424)

Have a look what the booklet for
XYZ(19.3167, 16.8625, 15.0424)
contains.

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Color

**XYZ(19.3311, 16.8828,
15.0718)**

Conversions

Conversions Part 1

Format	Color
Hex	936767
RGB	147, 103, 103
RGB Percent	58%, 40%, 40%
CMY	0.4235, 0.5961, 0.5961
CMYK	0.00, 0.30, 0.30, 0.42
HSL	0°, 18%, 49%
HSV	0°, 30%, 58%
XYZ	19.3311, 16.8828, 15.0718
YIQ	116.1560, 26.2240, 9.3280

Conversions

Conversions Part 2

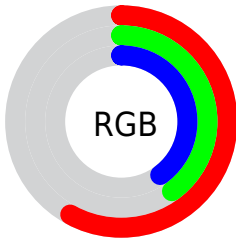
Format	Color
R_{YB}	147, 103, 103
Decimal	9660263
CIE _{Lab}	48.11, 17.70, 7.08
CIE _{LCh}	48, 19.061, 21.804
Yxy	16.8828, 0.3769, 0.3292
Android (android.graphics.Color)	4287850343 (0xFF936767)
YUV	116.1560, -6.4859, 27.0502
Hunter-Lab	41.0887, 12.0742, 7.0138

Details

The XYZ color **19.3311, 16.8828, 15.0718** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2935, 25.8570, 31.4726**, and the grayscale version is **16.6623, 17.5301, 19.0902**.

A 20% lighter version of the original color is **41.7455, 38.0009, 35.7065**, and **6.7993, 5.4508, 4.4351** is the 20% darker color. If you saturate the color by 10%, you get **17.3214, 13.9422, 11.0761**, and if you desaturate by 10%, it is **21.7285, 20.3910, 19.8371**.

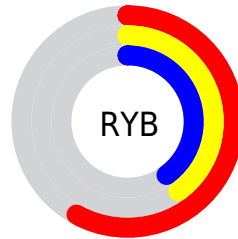
Distribution



Red (58%)

Green (40%)

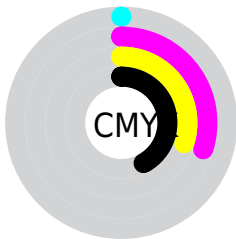
Blue (40%)



Red (58%)

Yellow (40%)

Blue (40%)

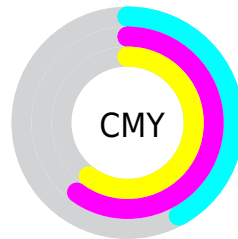


Cyan (0%)

Magenta (30%)

Yellow (30%)

Black (42%)



Cyan (42%)

Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3311, 16.8828, 15.0718 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 19.3311, 16.8828, 15.0718 by changing the saturation by 10% instead.

■ 19.3311, 16.8828,
15.0718

■ 19.3311, 16.8828,
15.0718

241.1737,
234.4961, 235.4561

■ 12.0152, 10.1510,
8.7226

■ 41.8054, 38.1242,
35.7232

■ 6.8263, 5.4992,
4.4664

■ 57.6945, 53.4025,
50.8624

■ 3.3991, 2.5430,
1.8845

■ 77.1720, 72.2984,
69.7688

■ 1.3681, 0.8981,
0.4829

■ 100.6034, 95.1963,
92.8608

■ 0.2334, 0.0000,
0.0000

128.3538,
122.4807, 120.5570

■ 0.0000, 0.0000,
0.0000

160.7888,

154.5358, 153.2759

198.2737,
191.7462, 191.4361

■ 19.3311, 16.8828,
15.0718

■ 19.3311, 16.8828,
15.0718

■ 17.3214, 13.9422,
11.0761

■ 21.7285, 20.3910,
19.8371

■ 15.6779, 11.5372,
7.8088

■ 24.5309, 24.4918,
25.4084

■ 14.3787, 9.6361,
5.2263

■ 27.7565, 29.2117,
31.8208

■ 13.3995, 8.2033,
3.2798

■ 31.4218, 34.5749,
39.1073

■ 12.7127, 7.1981,
1.9145

■ 35.5423, 40.6043,
47.2988

■ 12.2857, 6.5733,
1.0658

■ 40.1329, 47.3217,
56.4251

■ 12.0345, 6.2057,
0.5664

■ 45.2079, 54.7477,
66.5143

■ 12.0328, 6.2033,
0.5632

■ 50.7808, 62.9024,
77.5933

■ 56.8647, 71.8048,
89.6883

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.5626, 16.8828, 19.7718



19.3311, 16.8828, 15.0718



18.1886, 16.8828, 11.8761

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.3311, 16.8828, 15.0718



13.5760, 16.8828, 13.1070



15.5779, 16.8828, 29.4926

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.3311, 16.8828, 15.0718



21.2935, 25.8570, 31.4726

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.0797, 16.8828, 26.9145



19.3311, 16.8828, 15.0718



12.9794, 16.8828, 17.0599

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.3311, 16.8828, 15.0718



14.8446, 16.8828, 10.8915



13.1569, 16.8828, 22.1456



17.3118, 16.8828, 28.7006

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.3311, 16.8828, 15.0718



17.1059, 16.8828, 10.7477



13.1569, 16.8828, 22.1456



15.0319, 16.8828, 28.9770

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.3316, 16.8836, 15.0721



44.3359, 44.4533, 46.3072



22.1496, 18.0103, 29.9129



9.9557, 9.9059, 10.2424



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.3316, 16.8836, 15.0721



32.0958, 26.5425, 21.9741



21.8146, 21.8498, 15.8998



5.8008, 5.8154, 6.0572



10.4318, 5.3779, 0.4882



0.1277, 0.0658, 0.0060

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.2935, 25.8570, 31.4726



36.1987, 45.3082, 56.2721



18.1938, 19.6576, 30.4394



5.9641, 6.5622, 7.4220



13.6100, 19.9147, 27.0576



0.1666, 0.2438, 0.3312

Previews

White Background



This preview shows how the XYZ color 19.3311, 16.8828, 15.0718 looks on a white background.

Color Contrast Check

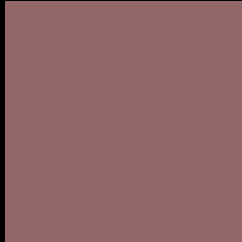
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.3311, 16.8828, 15.0718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3311, 16.8828, 15.0718

Background



This preview shows how black text looks on a background with the XYZ color 19.3311, 16.8828, 15.0718.



This preview shows how white text looks on a background with the XYZ color 19.3311, 16.8828,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.3311, 16.8828, 15.0718

Protanopia

16.2488, 16.9903, 16.8910

Deuteranopia

17.1801, 16.8570, 14.9186



Tritanopia

19.7786, 16.9244, 16.9761

Trichromacy



Original Color

19.3311, 16.8828, 15.0718

Protanomaly

17.2830, 16.8805, 16.2573

Deuteranomaly

17.8093, 16.7089, 14.8569

Tritanomaly

19.6180, 16.8602, 16.1303

Monochromacy



Original Color

19.3311, 16.8828, 15.0718

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.3061, 17.0286, 17.4136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3311, 16.8828, 15.0718 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(147, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(147, 103, 103)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(147, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 103, 103) }
```

Border

The CSS property to change the border of an element to XYZ 19.3311, 16.8828, 15.0718 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 103, 103) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(147, 103, 103) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(147, 103, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(147, 103,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3311, 16.8828, 15.0718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 103, 103) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(147,  
103, 103) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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